

Instructions to start the local server.

Step-by-step guide to start your multitenant Flask app using client1.localhost and client2.localhost on your local machine:

✅ Step 1: Set Up hosts File

Open Notepad as Administrator

Open this file:

makefile

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C:\Windows\System32\drivers\etc\hosts

Add these lines at the bottom:

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127.0.0.1 client1.localhost

127.0.0.1 client2.localhost

Save and close the file.

✅ Step 2: Create and Activate Virtual Environment

In your terminal:

bash

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cd C:\multitenant-auth

python -m venv .venv

.\venv\Scripts\activate

✅ Step 3: Install Dependencies

Make sure you have a requirements.txt and run:

bash

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pip install -r requirements.txt

If python-jose is not listed, add this:

css

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python-jose[cryptography]

Then run:

bash

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pip install "python-jose[cryptography]"

✅ Step 4: Ensure Your app.py Has the Correct SERVER_NAME

In app.py, this line should look like:

python

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```
app.config["SERVER_NAME"] = "localhost:5000"
```

This allows subdomain routing like client1.localhost.

Also, your route should fallback to the subdomain:

python

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```
@app.route("/", subdomain="<tenant>")
```

```
@app.route("/", defaults={"tenant": None})
```

```
def index(tenant):
```

```
    if DEV_MODE and not tenant:
```

```
        tenant = request.host.split('.')[0] # extract client1 or client2
```

```
    ...
```

✅ Step 5: Start the Flask App

In your terminal (after activating .venv):

bash

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python app.py

You should see something like:

csharp

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[INFO] Starting app on http://client1.localhost:5000 (DEV_MODE=True)

✅ Step 6: Open in Browser

Now you can access:

http://client1.localhost:5000

http://client2.localhost:5000

Each will route to its own tenant DB (client1_db, client2_db).

✅ Optional: Seed Test Users

If you have a seed_users.py file:

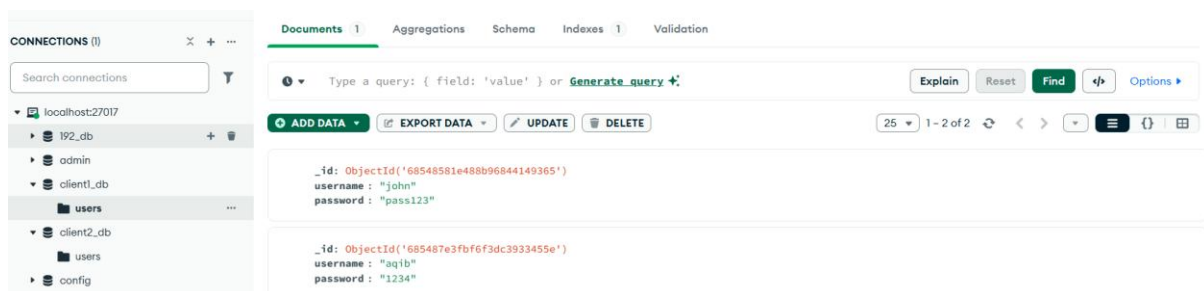
bash

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python seed_users.py

THIS IS THE DATABASE SCREENSHOT



client1 and client2 HOST

```
* Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on all addresses (0.0.0.0)
* Running on http://127.0.0.1:5000
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
* Restarting with stat
[INFO] Running app on http://client1.localhost:5000 and http://client2.localhost:5000
* Debugger is active!
* Debugger PIN: 706-464-153
[DEBUG] Tenant: client1
```